Twenty-Sixth Year.

## JOHNSON CITY, TENNESSEE, THURSDAY, DECEMBER 30, 1909.

Whole Number 1329

# ELECTRIC CITIES OF

IT IS SAID THEY WILL BE WIRELESS

Been Reached or Started Yet Says Thomas A. Edison.

passing? Why, it hasn't started yet. will be turned and cities lighted and speed in excess of 100 miles an hour. We don't know anything yet. Why, electric trains moved by power emawe don't even know what electricity is nating from the river currents, and yet. How can we say that we've without expense except for the ma- today is eliminated. The forward mo-

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cook your meals for a week,

one enormous "great white way."

S. C. WILLIAMS, President

JNO. D. Cox, Vice Pres.

The time will come, and soon, when

tomatie. Press a button or turn a things.

A. Eedison.

in most things.

"A Habit"

the sun shine on it and at once it starts | ing. effects of which we can prove-are ab- stopped by the turn of a switch. sorbed by the violet glass, and their action on the metal plugs, the other of electric energy for light, power and ends of which are sheltered from the heat on farms. The farming commuaction that produces a continual flow of an electrified topsoil, and an increasof electrical power into a storage bat- ed absorption of nitrogen, procured di-

claims the solar generator has passed as experiments on a small scale. out of the realm of "to be" and into the realm "is." It is now ready to perform its service in the world; ready to solve WONDERS UNDREAMED OF for all future humanity the economical, wasteless, free production of unlimited wasteless, free production of unlimited power, by stretching out its sensitive tentacles toward that infinite mass of the sea and air. As for the aeroplane, The Age of Invention Has Not energy daily hurled at the earth through the electric gyroscope is expected to ing this has been provided by an invent-186,000 miles a second.

Rivers as Power Source.

reached the limit of a force whose very chine, which will not be more, possibly,

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the present system.

may be used?

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mers, why not join the number and give us your orders

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will be accumulated in the storage bat- for the electric iron may be heated

teries to light and heat your home and right in the sewing room wherever

This would mean that every family Even the food products consumed in

the future electrical city, with the vast nearly all the kitchen work can be

sleeping energy of the sun unloosed to done by electricity with a small motor,

its utmost extent. By night it will be provided with a double attachment

the sun electrical generator looks for ing, butter churning, grating, ice chop-

there is a socket.

will keep indefinitely. This is the re-

TATE L. EARNEST, Cashier

ADAM B. CROUCH, Ass't Cashier

Hard to Break

The country will have an abundance rect from the atmosphere by electricity. If this device fulfills its inventor's These processes are already successful

Guyroscope for Airship.

In this wonderful dream city of the future, the business of transportation will be carried on altogether by electrically propelled vehicles and ships of there had been only desolation. Then there is the hydro-electric mator the electric logomotive will have come the water desired. utilizing the river currents for the gen- to its own for general freight and pas-

> eral impact experienced by railroads of inventor declares. tion and the gyroscopelike force of the driving wheels maintain perpendicularly in the monorail without the help of the guide rails, which are in reality only safeguards when the car is at rest, and give the car the proper lean at curves. There are only the vertical irregularities of the rail to be taken into account, the center of gravity being directly over the support, tending unaided to stay there. Taking into account this great potential advantage, and the small cross section of the train to overcome all resistance, a much higher rate of speed may be safely maintained than is either possible or safe with double rail vehicles.

in this new railroad, the oft occurring will know no such thing as the unaccidents from spreading rails will be eliminated. This remarkable means of high speed transportation has not been duits. left for the electric city of the future. A road using the invention is even now being constructed in New York, through Pelham Park to City Island. Engineers of the Public Service Commission say that a speed of 135 miles an hour may be expected over parts of the route where right of way has been granted away from highways, so that the train headway may be unrestricted. If this nature we are ignorant of ?-Thomas than the first month's coal bill under line meets with the approval of the public application will be made for Now that nature seems willing to provide electricity without cost, what permission to operate monorail express electricity will be the controlling factor are the various purposes for which it trains on an upper deck over the pres-

ent elevated railways in New York. The city of the future is a wonderful Every one knows that its uses today Today the realistic and marvelous thing to contemplate-nearly every- are common for power, lighting, heat- stage effects produced by electricity thing electrical; nearly everything au- ing and cooking. What else? Many are an indication of what may be expected in the real city of the future. switch, and, lo! the thing desired ap- One may even be shaved by electric- Moonlight and sunlight effects, failing, pears. The fairy stories of the magic ity in the twinkling of an eye-if one running or rippling water, moving wand come true. No effort required happens to be a man-and frequently clouds, rain and rainbows, falling stars, and little expense, for nature will pro- one happens to have that misfortune. the aurora borealis, smoke and flame, vide the electrical energy of the future And if one happens to be a member of sandstorms, real lightning and even if the device of one modern magician the fair sex, one may do the family animal illusions, such as flying butterfor generating electricity from the sun's sewing and the family pressing by flies, crawling or jumping insects and rays proves practical. Place it on the electricity-no longer trouble in keep- climbing monkeys, can be displayed roof of your house, and in one sunshiny ing the iron at the proper temperature, by the operations of cunningly devised day a sufficient amount of electricity and burning tender hands in the effort, electric lamps.

Artificial Lighting.

apparatus used for artificial lighting many other homes every perfect note will have, for the small initial outlay the electric city of the future will be has been a subject of ornamental and of the artists and every score of the ornecessary to procure the solar generat- the results of electricity applied to agor and the equipment of the house, its riculture. There is now in daily use forms of earthenware lamps to the attachment which will cause the room Dicken's door nails. He departed this own electric light plant, which will be milk reduced to a powdered form and most elaborate chandeliers, through in which you sit to be filled with the life at 9 p. m. the 22 of December, 1909. continually in operation without atten- yet remaining in a raw state, which every historical period and among all music in all its volume, and you will Mr. "White Nose" was a dog, and no nations, the means for supporting hear each note just as distinctly as if common one. He was of small, medi-Imagine the wonderful brilliancy of sult of an electric process. Even today lamps and candles for artificial light- you occupied a box in the front row of um size, compactly built and of fine

all the world like an eccentric cucum- ping, cream freezing, noodle cutting, for sun generators will literally store ton, it is estimated, will easily span a ber frame turned up on end. But let vegetable paring, polishing and grind- the sun's rays by day for use by night. distance of 3,000 miles. This will pro-The invention of the tungsten lamp vide a means for the direction of a fleet Spring camp meeting and had worits work. Not the solar heat itself, but It almost seems as if we would soon will make this idea of universal light- in the Mediterranean by and admiral shiped with Bob for the full week. Mr. rather the invisible rays that make up have the electric cook and housemaid, ing an actuality. The economical feasisting in his office at Washington. part of the solar spectrum, and the ultra completely automatic, capable of do- tures of this lamp have revolutionized violet rays themselves-rays that we ing the work of a large family in a cou- electric lighting, just as the new means vessels of the sea, the automobile, will can not perceive with our eyes, but the ple of hours each day, and started and of generating electricity will revolube propelled by electrical energy trans tionize the cost feature.

The automobiles which will traverse the streets of the future electrical city will be driven altogether by electricity, action of the rays, sets up chemical re- nities will flourish under the stimulus for the machine will generate its own power by means of a sun generator at. ries and coal burning locomotives, or soon be provided with a means of loading and unloading by electricity.

> Going beyond the electrical city and riewing the electrical world of the future we see the desert wastes of all lands transformed into flowery gardens and prosperous cities rise where once

The practical means for accomplish-93,000,000 miles of space at the rate of furnish stability for this device, and or who, after a quarter of a century of also for monorail, high speed trains, experimenting, has evolved a pump, electrically driven. The locomotive as operating by electricity, which will we now know it will be obsolete, but furnish to the most arid districts all

This pump, with a two-inch bore, In monorail motion all danger of lat- third of a million gallons a day, so its ground

#### How Water is Moved Along.

The mechanism of this device consists of a series of duplex screws within a cylinder so arranged as to pass on a column of water from one unit to another without a slip. These screws are to 10,000 revolutions a minute in the smaller sizes. Roller bearings are used at all points of contact, thus reducing friction to a minimum.

Now, the most wonderful part of it all. The electrical energy for these various uses will be transmitted without one above,

Wires for the transmission of telegraphic and telephonic messages will sightly overhead cable or the expensive stringing of wires in underground con-

Wireless will also make it unnecessary for you to go to the opera. The opera will come to you. This has been made possible by the wireless telephone with a magaphone attachment, which

It is simple enough, so simple in fact that the "angel child" will be turning on the receiving switch while mother set up immediately, is out of the room and pulling the instrument from the wall in a rage bee Mobile" instead of "Yankee Doodle."

Seriously, Dr. Lee de Forest believes that the time is not far distant when all humanity may partake of the now expensive grand opera-not a mechanical version, as in the case of the phonograph, but the real thing-transmitted into your home even more clearly and distinctly than you can now hear the spoken words of a friend thorough the place into the "City Brilliant."

It will not be necessary to put the receiver to your ear in order to hear the through the streets, and enormous suctables at \$18 per month. Women are grandest old party, held down the job, voices of the singers on the stage of the Metropolitan or Manhattan or some this future electrical city darkness will now at the Milwaukee, Danville and "It looks now," said one close to the other opera house. A large wireless be of the past.—Harrold Chapman in Dayton Homes. The other six Homes collector, "as if Mr. Sharp will certaintransmitter hung above the stage will the New York Tribune. flash out over the Hertzian waves and Since the earliest dawn of history the into the receiver in your home and

The airship of the future, like trains, mitted without the use of wires.

The electrical city of the future will be a most enjoyable 'place in which to live. No longer will we have the annoyance of smoke and soot from factotachment. And the electric truck will from the numerous iron smokestacks which rise above the roofs of the modern apartment houses and office buildings, since electricity will undoubtedly be used altogether for keeping us warm in the winter and cool in the summer. Our homes will be protected from undesirables by a new electric burglar police commissioner.

The marvelous strides in the electrification of all the world may result in cities beneath cities. Even as we now have drug stores, cases, department average dog, and especially a good one, stores, news stands with subterranean in some respects averages above the You ask if the age of invention is erating of electric power. So, again na-senger service, and it will haul its long weighing only twelve pounds, will entrances from subway stations, so status of a good man. Such a man reof water 240 gallons a minute, or one- ly to grow a second New York under- of his Great Master and complains be- Revenue Collector Robt. S. Sharp would

### The Underground City.

The route of the underground moving commercial activities. All along the route scurrying throngs will step from the electric sidewalk and rush in and out of department stores, restaurants, made to spin at tremendous speed, up jewelry, dressmaking, haberdashery, tailoring and grocery establishments. There will even be banking houses and wireless telegraph offices. Automatic wireless telephones will be found everywhere for communicating with any part of the subterranean city or the

One can foresee the time when the man on the street, on the trolley car or wherever he may be, will carry in his Since there is no gauge to maintain be no more. The city of the future pocket an audion or receiver, listed uner audion. Should some one call that number, immediately the audion will

> cause Caruso insists on singing "Donna automatic age. Even an automatic ashes. electric receiving teller, already invented, will accept your bank deposit and copy. make the proper entry in your bank-

This great subterranean metropolis will not be a stuffy, unhealthy place lights at a steady glow and transform | compared with the same articles here, | not an applicant for first assistant post-Giguntic electric fans will keep a to tie the blankets on. The dining girls and gratefully go higher up if asked. steady stream of pure air flowing there peel the potatoes and wait on the Once H. Clay Evans, the "martyred" tion pumps will remove the foul. In employed in the main dining halls and for a while was postmaster-general.

# OBITUARY.

home a full week, it was found that he had followed Bob Cross to Sulphur White Nose had another name, "Lincoln," and was called "Link" for short, but he was best known by the name that harmonized with his clear white color. He could run as fast as any other dog of his size and build, but not fast enough to overtake a rabbit, however, what he lacked in speed he more than made up in rapid barking, giving forth a bark for every jump he made, and his barks so terrified rabbits as to cause their tails to turn white. For a CAN SHARP AND year preceding Mr. White Nose's death he had a social companion known as "Mr. Black Nose," a slender built black dog of the high grade Kentucky speed class, and although not much larger than a big rabbit, could, and alarm which will not only announce yet can, pick up a rabbit over either the intruder, but will take his photo- smooth or rough ground. Being thus graph as well, to be handed down to out-classed for speed, I think, caused future generations-or at least to the Mr. White Nose to yield to the infirmities of age and die prematurely.

Well, why so much about a dog or dogs? Simply this: The dog is proverbially spoken of as mean, whilst an bells often against the just requirements by the Associated Press that Internal cause of merited chastisement, whilst be named after the holidays as first asthe dog, unjustly whipped, affection- sistant postmaster-general of the Unitately licks the hand from which the ed States, succeeding Mr. Granfield, platform will become a busy center of cruel rod has just fallen; and the out- who has been made postmaster at

SANFORD BOTH BE

# APPOINTED P. M.-GENERAL

Federal Berths Many and Important in Prospect for Tennessee Republicans in State Affairs.

The news sent out from Washington

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buzz a warning. True, the man will cast beggar is followed by his faithful Washington, was received with keen not be able to telephone without con- dog to his unmarked grave. May there interest by the republicans and demonection with a transmitting apparatus. not and ought there not be an enjoya- crats alike here and throughout East But there will be found in all vehicles, ble future for the good and faithful Tennessee. Mr. Sharp's friends here and even on street corners, as letter dog? Such reward would but add to when the aport was first published in may be placed in your library, drawing drops now are. All he will then have the blessedness of heaven. On the 23d The American a few days since were to do will be to connect his receiver Mr. White Nose, neatly coffined, was favorably impressed with its authenwith the transmitter, drop a coin in buried on the high ground north of the ticity, but would not discuss the matthe slot, and communication will be southern end of the C., C. & O. tunnel ter until more information was had Indeed this electrical age into which a "maseot" watch, until when? The that the only contingency upon which we are rapidly sliding will also be an resurrection. At any rate, peace to his Mr. Sharp's appointment hinges is

# SOLDIERS' HOME NOTES

underground the vast electric energy of barracks, hot water is scarce and the United States supreme bench. the sun, which will keep millions of blankets and mattresses are nothing the big two-story beds where they have master-general, but would certainly they are up-to-date.

Island and the songs by Arthur Earn- of us supposed to be on the inside." is to be examined for his sanity.

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under Indian Ridge, there to remain :s from Washington. It is understood HIS FRIEND. whether President Taft names Judge Staff and Herald and Tribune please Cochran, of Kentucky, or Judge E. T. Sanford, of East Tennesses, to succeed Judge Horace H. Lurton on the bench. of the United States circuit court of Members coming from the Dayton appeal, who has just been named as Home report the conditions there as the successor of the late Rufus W. of gloom. The solar generator will pass deplorable. Overcoats are worn in the Peckham, of New York, as member of

Collector Sharp's friends said he was

have men waiters, and at this Home ly be named if Judge Sanford is not nominated to succeed Judge Lurton. The show Christmas night was fine, The American appears to have known moving pictures, search light for Coney more and known it quicker than some

est were something fine, and the arri- "Hoh" Sharp, as he is best known in yal of Santa Claus in the airship Maud. Tennessee, has been in politics since he Gov. Cook, of the Leavenworth Na. saw the light of day. They tell it in tional Home, prevented the marriage Chattanooga he never cried as a youngof one of the members, aged 75, to a ster, but has been whooping since a 2woman of 55. He had received a back year-old for the republican party. He pension of \$5,500 and owned about \$15,- was a clerk in the office of his father, 000 worth of property in Kansas. He Alonzo G, Sharp, who himself was some very big noise in the republican eamp. Sharp, Sr., now one of the

Continued on page two.

## shaft for the necessary devices for coffee SEE J. E. CROCUH FOR Set up on the inventor's housetop, grinding, cream whipping, cake mix-

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ing have received the most careful- the mezzanine. often the devout attention of master

ry ago there had been no essential as the aeroplane, so trains may have a when advised of the plan to kill him change in the means of producing illu- device constructed on the same princimination: flames were the only source ple for transmitting to the engineer's "Kill my dog, kill me.

know no darkness. All the world will than ever before. The 600-foot govern- Eye," and was considered almost rethen be a "Land of the Midnight Sun," ment tower being erected at Washing-ligious, for, after being absent from

Signals for Engineers.

Until the advent of the electric light | As vessels are provided with the aulittle more than a quarter of a centu- tomatic wireless marine signal, known So highly did Alex- esteem him that of artificial light. The electric light cab a wireless signal. This device will Mr. White Nose was a full 16-years'

proportions. Socially be was highly connected, being in sense related to big hearted Jim Burns, for Jim raised him; but he was the special favorite of Alex. so as to avoid the dog tax, Alex wrote:

marked a new epoch, and was the be- apprise the engineer of the approach of resident of Vineland, Indian Ridge, ginning of a revolution in lighting another locomotive or of any obstruc- and played a conspicuous part in dog which is still only in the first stages of tion on the track two miles distant. Hife. His predecessor was a half-brother The United States navy department | brindle in color and had but one eye, The electric city of the future will is now going more deeply into wireless hence he bore the name of "Mr. One-



# Is how we see things when Jack Frost and snow storms visit us. The ground may be "strictly in it"

"capped with snow," but it's a sure thing that Laundry Work Done Here is "White Like Snow." Clothes sent here are properly starched and beautifully ironed. To be

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